

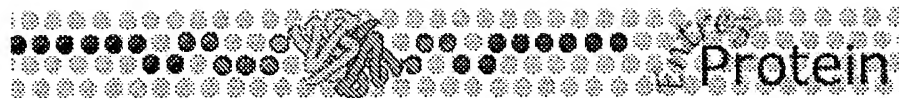
L Number	Hits	Search Text	DB	Time stamp
1	3850	motoda.in. or yabuki.in. or kigawa.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:25
2	20131	"template DNA" or (template NEAR2 DNA)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:26
3	77799	"polymerase chain reaction" or PCR	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:26
4	15885	(first or second or third) NEAR2 DNA	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:27
5	161196	primer or oligonucleotide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:27
6	738	(first or second or third) NEAR2 ("template DNA" or (template NEAR2 DNA))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:27
7	19017	(first or second or third) NEAR2 (primer or oligonucleotide)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:28
8	8722	(first or second or third) NEAR2 ("polymerase chain reaction" or PCR)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:28
9	337	"pmol/L"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:28
10	6	(motoda.in. or yabuki.in. or kigawa.in.) and ("template DNA" or (template NEAR2 DNA))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:32
11	11574	("template DNA" or (template NEAR2 DNA)) SAME ("polymerase chain reaction" or PCR)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:33
12	3300	((("template DNA" or (template NEAR2 DNA)) SAME ("polymerase chain reaction" or PCR)) and ((first or second or third) NEAR2 DNA)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:33
13	390	((("template DNA" or (template NEAR2 DNA)) SAME ("polymerase chain reaction" or PCR)) and ((first or second or third) NEAR2 DNA)) and ((first or second or third) NEAR2 ("template DNA" or (template NEAR2 DNA)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:33
14	265	((("template DNA" or (template NEAR2 DNA)) SAME ("polymerase chain reaction" or PCR)) and ((first or second or third) NEAR2 DNA)) and ((first or second or third) NEAR2 ("template DNA" or (template NEAR2 DNA)))) and ((first or second or third) NEAR2 ("polymerase chain reaction" or PCR))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:33
15	262	(((((("template DNA" or (template NEAR2 DNA)) SAME ("polymerase chain reaction" or PCR)) and ((first or second or third) NEAR2 DNA)) and ((first or second or third) NEAR2 ("template DNA" or (template NEAR2 DNA)))) and ((first or second or third) NEAR2 ("polymerase chain reaction" or PCR))) and (primer or oligonucleotide)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:33

17	0	(((((("template DNA" or (template NEAR2 DNA)) SAME ("polymerase chain reaction" or PCR)) and ((first or second or third) NEAR2 DNA)) and ((first or second or third) NEAR2 ("template DNA" or (template NEAR2 DNA)))) and ((first or second or third) NEAR2 ("polymerase chain reaction" or PCR))) and (primer or oligonucleotide)) and ((first or second or third) NEAR2 (primer or oligonucleotide)) and "pmol/L"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:34
16	230	(((((("template DNA" or (template NEAR2 DNA)) SAME ("polymerase chain reaction" or PCR)) and ((first or second or third) NEAR2 DNA)) and ((first or second or third) NEAR2 ("template DNA" or (template NEAR2 DNA)))) and ((first or second or third) NEAR2 ("polymerase chain reaction" or PCR))) and (primer or oligonucleotide)) and ((first or second or third) NEAR2 (primer or oligonucleotide))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:42
18	296381	multiplex\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:35
19	2598	multiplex\$ WITH ("polymerase chain reaction" or PCR)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:36
20	39692	("polymerase chain reaction" or PCR) NEAR5 amplific\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:43
21	4743	((("polymerase chain reaction" or PCR) NEAR5 amplific\$) SAME ("template DNA" or (template NEAR2 DNA))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:43
22	1904	((("polymerase chain reaction" or PCR) NEAR5 amplific\$) SAME ("template DNA" or (template NEAR2 DNA))) and ((first or second or third) NEAR2 (primer or oligonucleotide))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:43
23	951	(((((("polymerase chain reaction" or PCR) NEAR5 amplific\$) SAME ("template DNA" or (template NEAR2 DNA))) and ((first or second or third) NEAR2 (primer or oligonucleotide))) and ((first or second or third) NEAR2 ("polymerase chain reaction" or PCR))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:45
24	976	(((((("polymerase chain reaction" or PCR) NEAR5 amplific\$) SAME ("template DNA" or (template NEAR2 DNA))) and ((first or second or third) NEAR2 (primer or oligonucleotide))) and ((first or second or third) NEAR2 ("polymerase chain reaction" or PCR))) @pd<=2002	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:44
25	100	(((((("polymerase chain reaction" or PCR) NEAR5 amplific\$) SAME ("template DNA" or (template NEAR2 DNA))) and ((first or second or third) NEAR2 (primer or oligonucleotide))) and ((first or second or third) NEAR2 ("polymerase chain reaction" or PCR))) and "PCR cloning"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:54
26	12384	((("polymerase chain reaction" or PCR) NEAR5 amplific\$) and ("DNA template" or "template DNA" or "specific DNA fragments"))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:52

27	7191	((("polymerase chain reaction" or PCR) NEAR5 amplific\$) and ("DNA template" or "template DNA" or "specific DNA fragments")) and ((first or second or third) WITH primer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:54
28	5283	nested WITH ("polymerase chain reaction" or PCR)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 16:03
29	173	(nested WITH ("polymerase chain reaction" or PCR)) SAME ("template DNA" or (template NEAR2 DNA))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 15:55
30	552	(nested WITH ("polymerase chain reaction" or PCR)) SAME ((first or second or third) NEAR2 (primer or oligonucleotide))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 16:04
31	259	((nested WITH ("polymerase chain reaction" or PCR)) SAME ((first or second or third) NEAR2 (primer or oligonucleotide))) and ("template DNA" or (template NEAR2 DNA))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 16:31
32	281	(1st or 2nd or 3d) NEAR2 primer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 16:22
33	11	((1st or 2nd or 3d) NEAR2 primer) SAME ("template DNA" or (template NEAR2 DNA))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 16:22
34	1107	"two-step" NEAR2 PCR	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 16:32
35	259	("two-step" NEAR2 PCR) and ("template DNA" or (template NEAR2 DNA))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 16:54
36	54342	"affinity tag" or "maltose binding" or "cellulose binding" or "glutathione-s-transferase" or streptavidin or biotin or "his tag" or "histidine tag"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 16:56
37	188	("affinity tag" or "maltose binding" or "cellulose binding" or "glutathione-s-transferase" or streptavidin or biotin or "his tag" or "histidine tag") and (("two-step" NEAR2 PCR) and ("template DNA" or (template NEAR2 DNA)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 17:09
38	3780	"6-His" or "histidine tag" or "6-his tag"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 17:09
39	60	((("two-step" NEAR2 PCR) and ("template DNA" or (template NEAR2 DNA))) and ("6-His" or "histidine tag" or "6-his tag" )	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 17:11
40	409	"transcription template"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 17:11
41	4	"transcription template" and ("polymerase chain reaction" or PCR) and ((first or second or third) NEAR2 DNA) and ((first or second or third) NEAR2 ("template DNA" or (template NEAR2 DNA))) and ((first or second or third) NEAR2 (primer or oligonucleotide))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/19 17:11

FILE 'MEDLINE, EMBASE, BIOSIS' ENTERED AT 17:20:18 ON 19 AUG 2004

L1 38306 S ENDO?/AU OR SAWASAKI?/AU OR OGASAWARA?/AU  
L2 30974 S MOTODA?/AU OR YABUKI?/AU OR KIGAWA?/AU OR YOKOYAMA?/AU  
L3 24311 S "TRANSCRIPTION TEMPLATE" OR "DNA TEMPLATE" OR (TEMPLATE (S) D  
L4 373335 S "POLMERASE CHAIN REACTION" OR PCR  
L5 21 S (1ST OR 2D OR 2ND OR 3D) (2A) PRIMER  
L6 59 S (1ST OR 2D OR 2ND OR 3D) (2A) PCR  
L7 658 S (TWO-STEP OR 2-STEP) (2A) PCR  
L8 10143 S NESTED (2A) PCR  
L9 61263 S AMPLIFICAT? (S) PCR  
L10 1 S PROTEION (S) SYNTHES?  
L11 314249 S PROTEIN (S) SYNTHES?  
L12 6363 S L11 (S) CELL-FREE  
L13 57 S L1 AND L12  
L14 51 S L2 AND L12  
L15 2 S L2 AND L7  
L16 3 S L1 AND L7  
L17 610752 S "POLYMERASE CHAIN REACTION" OR PCR  
L18 11 S L8 AND L1  
L19 0 S L18 AND L2  
L20 3 S L12 AND L7  
L21 2 DUP REM L20 (1 DUPLICATE REMOVED)  
L22 6 DUP REM L18 (5 DUPLICATES REMOVED)  
L23 29 DUP REM L13 (28 DUPLICATES REMOVED)  
L24 25 DUP REM L14 (26 DUPLICATES REMOVED)  
L25 2 DUP REM L15 (0 DUPLICATES REMOVED)  
L26 1 DUP REM L16 (2 DUPLICATES REMOVED)  
L27 0 S L23 AND L7  
L28 0 S L24 AND L7  
L29 0 S L23 AND L8  
L30 0 S L24 AND L8  
L31 3 S L17 AND L7 AND L12  
L32 2 DUP REM L31 (1 DUPLICATE REMOVED)  
L33 1216 S "AFFINITY TAG" OR "PROTEIN TAG" OR 6-HIS OR "6-HIS TAG" OR "6  
L34 0 S L23 AND L33  
L35 0 S L24 AND L33  
L36 0 S L33 AND L17 AND L12  
L37 7 S L33 AND L12  
L38 3 DUP REM L37 (4 DUPLICATES REMOVED)  
L39 0 S L33 AND L8  
L40 0 S L33 AND L7  
L41 4 S L33 AND L3  
L42 3 DUP REM L41 (1 DUPLICATE REMOVED)  
L43 927 S (FIRST OR SECOND OR THIRD) (3A) PRIMER  
L44 907 S (FIRST OR SECOND OR THIRD) (3A) OLIGONUCLEOT?  
L45 0 S L33 AND L43  
L46 0 S L33 AND L44  
L47 4 S L43 AND L7  
L48 0 S L44 AND L7  
L49 3 DUP REM L47 (1 DUPLICATE REMOVED)



Entrez PubMed Nucleotides Protein Genome Structure PMC Taxonomy Bio

Search  for

Display       
 Show:

☐ 1: CAA37824. unnamed protein p...[gi:63566] [SLink](#), [Domains](#), [Links](#)

LOCUS CAA37824 332 aa linear VRT 12-SEP-1993

DEFINITION unnamed protein product [Gallus gallus].

ACCESSION CAA37824

VERSION CAA37824.1 GI:63566

DBSOURCE embl locus GGLDHA, accession [X53828.1](#)

KEYWORDS .

SOURCE Gallus gallus (chicken)

ORGANISM [Gallus gallus](#)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Archosauria; Aves; Neognathae; Galliformes; Phasianidae;  
Phasianinae; Gallus.

REFERENCE 1 (residues 1 to 332)

AUTHORS Hirota,Y., Katsumata,A. and Takeya,T.

TITLE Nucleotide and deduced amino acid sequences of chicken lactate  
dehydrogenase-A

JOURNAL Nucleic Acids Res. 18 (21), 6432 (1990) .

MEDLINE [91057138](#)

PUBMED [2243792](#)

REFERENCE 2 (residues 1 to 332)

AUTHORS Takeya,T.

TITLE Direct Submission

JOURNAL Submitted (30-JUL-1990) Takeya T., Institute for Chemical Research,  
Kyoto University, Gokasho, Uji, Kyoto 611, Japan

FEATURES Location/Qualifiers

source

1..332

/organism="Gallus gallus"

/db\_xref="taxon:9031"

/clone="YH1A"

/cell\_type="fibroblast"

/dev\_stage="embryo"

[Protein](#)

1..332

/name="unnamed protein product"

[CDS](#)

1..332

/coded\_by="X53828.1:60..1058"

/note="L-lactate dehydrogenase A-chain"

/db\_xref="GOA:P00340"

/db\_xref="UniProt/Swiss-Prot:P00340"

ORIGIN

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1 mslkdhlhnh vkkeehahah nkisvvgvga vgmacaaisil mkdladeltl vdvvedklkg
61 emldlqhgsf flktpkiiisg kdysvtahsk lvivtagarq qegesrlnlv qrnvnifkfi
121 ipnvvkyspd ckllivsnvp diltvawki sgfpkhrvig sgcnl dsarf rhlmgerlgi
181 hplschgwiw gehgdssvpv wsgvvnagvs lkahpdmgt dadkehkwkev hkqvvd saye
241 viklkgysw aiglsvadla etimknllrv hpistavkgm hgikddvfls vpcvl gssgi
301 tdvvkmilkp deekikkksa dtlwgiqkel qf

```

//

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## results of BLAST

### BLASTP 2.2.9 [May-01-2004]

#### Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1092955641-5986-83013888818.BLASTQ4

#### **Query=**

(20 letters)

**Database:** All non-redundant GenBank CDS

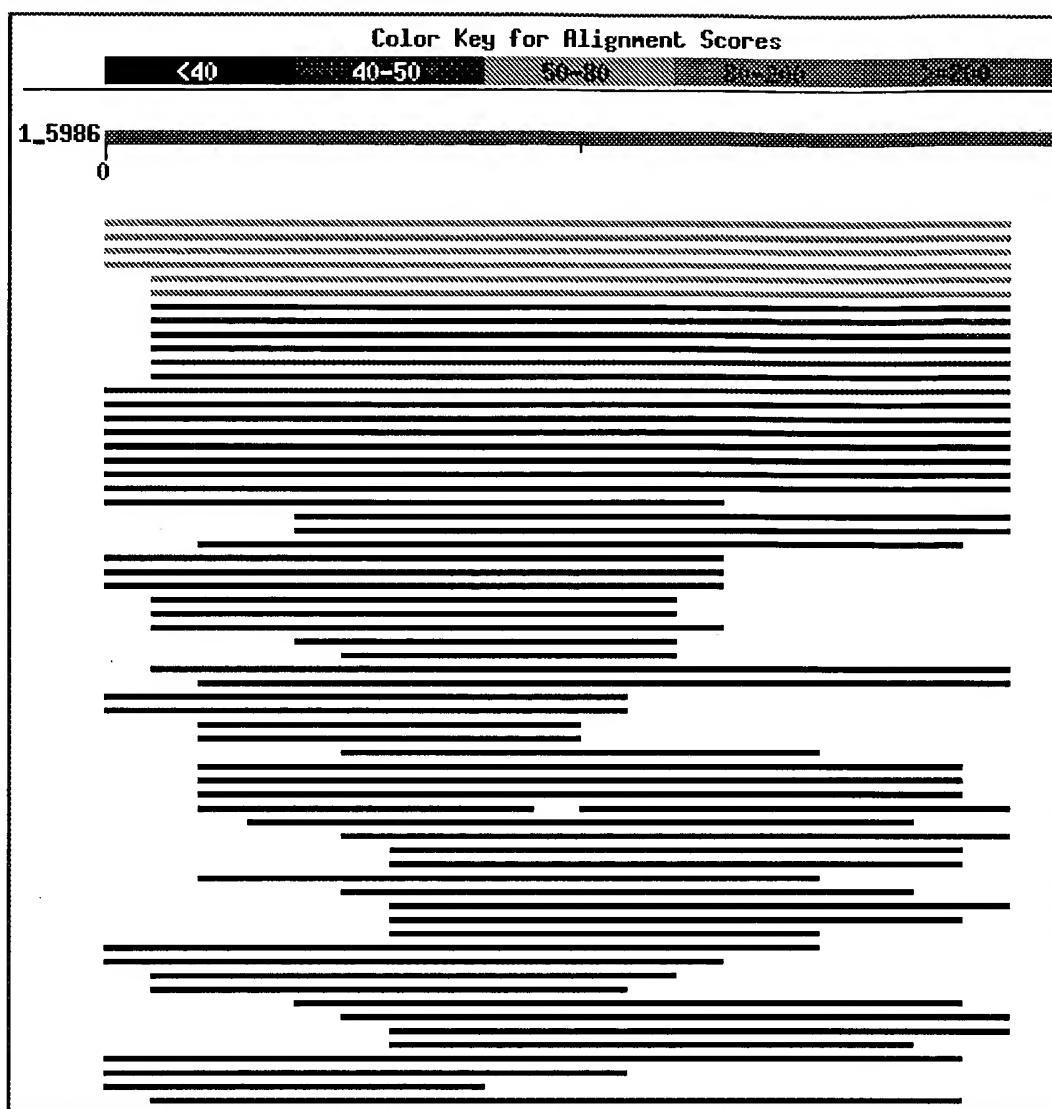
translations+PDB+SwissProt+PIR+PRF excluding environmental samples  
1,990,024 sequences; 667,623,348 total letters

If you have any problems or questions with the results of this search please refer to the [BLAST FAQs](#)

[Taxonomy reports](#)

### Distribution of 121 Blast Hits on the Query Sequence

Mouse-over to show define and scores. Click to show alignments



#### Related Structures

Sequences producing significant alignments:		Score (bits)	E Value
<a href="#">qi 49259486 pdb 1V5S A</a>	Chain A, Solution Structure Of Kinas...	66	9e-11
<a href="#">gi 63566 emb CAA37824.1 </a>	unnamed protein product [Gallus ga...	62	2e-09
<a href="#">gi 65925 pir DECHLM</a>	L-lactate dehydrogenase (EC 1.1.1.27) ...	62	2e-09
<a href="#">gi 17369418 sp Q9FW07 LDHA</a>	COLLI L-lactate dehydrogenase A ...	56	1e-07
<a href="#">gi 13650163 gb AAK37570.1 </a>	L-lactate dehydrogenase A [Caima...	55	1e-07
<a href="#">gi 17369416 sp Q9PW06 LDHA</a>	ALLMI L-lactate dehydrogenase A ...	55	1e-07
<a href="#">gi 39545706 gb AAR27956.1 </a>	L-lactate dehydrogenase A [Macro...	46	7e-05
<a href="#">gi 39545700 gb AAR27953.1 </a>	L-lactate dehydrogenase A [Caret...	46	7e-05
<a href="#">gi 39545696 gb AAR27951.1 </a>	L-lactate dehydrogenase A [Apalo...	46	7e-05
<a href="#">gi 13650168 gb AAK37572.1 </a>	L-lactate dehydrogenase A [Pelod...	46	7e-05
<a href="#">gi 17369402 sp Q9PT43 LDHA</a>	TRASC L-lactate dehydrogenase A ...	46	7e-05
<a href="#">gi 39545704 gb AAR27955.1 </a>	L-lactate dehydrogenase A [Chelo...	44	4e-04
<a href="#">gi 34555780 gb AAN05098.1 </a>	lactate dehydrogenase A [Iguana ...	43	0.001
<a href="#">gi 17369829 sp Q9W7L3 LDHA</a>	PYTRG L-lactate dehydrogenase A ...	40	0.006
<a href="#">gi 17368319 sp P79912 LDHA</a>	SCEWO L-lactate dehydrogenase A ...	40	0.007

gi 17433149 sp Q9W7L5 LDHA_SCEUN	L-lactate dehydrogenase A ...	37	0.058	
gi 1170740 sp P00339 LDHA_PIG	L-lactate dehydrogenase A cha...	33	0.61	
gi 65924 pir DEPGLM	L-lactate dehydrogenase (EC 1.1.1.27) ...	33	0.61	
gi 443577 pdb 9LDT B	Chain B, Lactate Dehydrogenase (E.C.1....	33	0.61	
gi 17433150 sp Q9W7M6 LDHA_AMBME	L-lactate dehydrogenase A ...	32	1.1	
gi 126050 sp P13491 LDHA_RABIT	L-lactate dehydrogenase A ch...	32	2.0	
gi 48839667 ref ZP_00296597.1	COG1122: ABC-type cobalt tra...	30	4.8	
gi 20092815 ref NP_618890.1	ABC transporter, ATP-binding p...	30	4.8	
gi 50549003 ref XP_501973.1	hypothetical protein [Yarrowia...	29	16	
gi 126045 sp P19858 LDHA_BOVIN	L-lactate dehydrogenase A ch...	28	21	
gi 27924268 gb AAH45015.1	Ldha-prov protein [Xenopus laevi...	28	21	
gi 47718044 gb AAH71031.1	Ldha1 protein [Xenopus laevis] >...	28	21	
gi 17368677 sp Q9BE24 LDHA_MACFA	L-lactate dehydrogenase A ...	28	21	
gi 7331121 gb AAF60283.1	lactate dehydrogenase A [Ovis aries]	28	21	
gi 23619125 ref NP_705087.1	hypothetical protein [Plasmodi...	28	28	
gi 46228654 gb EAK89524.1	niemann-Pick type C1 disease pro...	28	28	
gi 23475108 ref ZP_00130398.1	COG2200: FOG: EAL domain [De...	28	28	
gi 40744267 gb EAA63443.1	hypothetical protein AN2872.2 [A...	27	38	
gi 17369889 sp Q9XT97 LDHA_MONDO	L-lactate dehydrogenase A ...	27	38	
gi 23015470 ref ZP_00055245.1	hypothetical protein Magn029...	27	50	
gi 33593969 ref NP_881613.1	putative hemolysin [Bordetella...	27	50	
gi 33598277 ref NP_885920.1	putative hemolysin [Bordetella...	27	50	
gi 45384294 ref NP_990367.1	RGD-CAP [Gallus gallus] >gi 22...	27	50	
gi 23478929 gb EAA15887.1	00806 domains.-related [Plasmodi...	27	50	
gi 23507858 ref NP_700528.1	hypothetical protein [Plasmodi...	27	68	
gi 32455003 gb AAP83181.1	zinc transporter [Danio rerio] >...	27	68	
gi 26553921 ref NP_757855.1	conserved hypothetical protein...	27	68	
gi 49902994 gb AAH76241.1	Ke4 protein [Danio rerio]	27	68	
gi 23112640 ref ZP_00098099.1	COG3385: FOG: Transposase an...	27	68	
gi 23475478 ref ZP_00130764.1	COG1122: ABC-type cobalt tra...	27	68	
gi 12585265 sp Q9PUB8 KE4_BRARE	Zinc transporter SLC39A7 ho...	27	68	
gi 22974703 ref ZP_00020870.1	hypothetical protein [Chloro...	27	68	
gi 17541602 ref NP_502236.1	tyrosine 3 tryptophan activati...	26	91	
gi 31211923 ref XP_314946.1	ENSANGP00000024633 [Anopheles ...	26	91	
gi 46120977 ref ZP_00173793.2	hypothetical protein Mflag02...	26	91	
gi 21107880 gb AAM36554.1	conserved hypothetical protein [...	26	91	
gi 2653645 gb AAB87630.1	zinc finger 30C [Drosophila melan...	26	91	
gi 29248788 gb EAA40314.1	GLP_464_49476_50732 [Giardia lam...	26	91	
gi 23509269 ref NP_701936.1	hypothetical protein [Plasmodi...	26	122	
gi 23509124 ref NP_701792.1	hypothetical protein [Plasmodi...	26	122	
gi 38094047 ref XP_150341.2	similar to C.Elegans Homeobox ...	26	122	
gi 38081663 ref XP_289125.2	similar to double homeobox, 4;...	26	122	
gi 31242085 ref XP_321473.1	ENSANGP00000008574 [Anopheles ...	26	122	
gi 16805211 ref NP_473239.1	hypothetical protein [Plasmodi...	26	122	
gi 50550535 ref XP_502740.1	hypothetical protein [Yarrowia...	26	122	
gi 50287551 ref XP_446205.1	unnamed protein product [Candi...	26	122	
gi 23011400 ref ZP_00051769.1	COG2371: Urease accessory pr...	26	122	
gi 29339541 gb AAO77337.1	DNA polymerase III alpha subunit...	26	122	
gi 27262346 gb AAN87454.1	NADH dehydrogenase [Heliobacillu...	26	122	
gi 15144510 gb AAK84477.1	putative centromere protein [Lyc...	26	122	
gi 47212765 emb CAF93903.1	unnamed protein product [Tetrao...	26	122	
gi 12855492 dbj BAB30355.1	unnamed protein product [Mus mu...	26	122	
gi 23612440 ref NP_704001.1	hypothetical protein [Plasmodi...	25	163	
gi 34870328 ref XP_233365.2	similar to butyrophilin-like 2...	25	163	
gi 32413120 ref XP_327040.1	hypothetical protein [Neurospo...	25	163	



gi 15966059 ref NP_386412.1	HYPOTHETICAL PROTEIN SMC01555 ...	25	163
gi 50759995 ref XP_417856.1	PREDICTED: similar to signal r...	25	163
gi 48833889 ref ZP_00290905.1	COG0642: Signal transduction...	25	163
gi 46143573 ref ZP_00134931.2	COG4531: ABC-type Zn <sup>2+</sup> trans...	25	163
gi 23008517 ref ZP_00049928.1	COG1230: Co/Zn/Cd efflux sys...	25	163
gi 39840783 emb CAD20832.1	sigma factor [Spinacia oleracea]	25	163
gi 29342450 qb AAQ80216.1	holin, putative [Enterococcus fa...	25	163
gi 42524415 ref NP_969795.1	flagellar motor protein MotB [...]	25	163
gi 42525589 ref NP_970687.1	RNA polymerase sigma-70 factor...	25	163
gi 24654257 ref NP_611159.1	CG15615-PA [Drosophila melanog...	25	163
gi 29250598 qb EAA42089.1	GLP_254_27645_26050 [Giardia lam...	25	163
gi 505184 emb CAA54133.1	SSM4 [Saccharomyces cerevisiae]	25	219
gi 12840105 dbj BAB24761.1	unnamed protein product [Mus mu...	25	219
gi 17542606 ref NP_503070.1	histidine-rich membrane protei...	25	219
gi 6322159 ref NP_012234.1	Protein involved in mRNA turnov...	25	219
gi 16263757 ref NP_436549.1	HYPOTHETICAL PROTEIN SMb20006 ...	25	219
gi 25011337 ref NP_735732.1	Unknown [Streptococcus agalact...	25	219
gi 28378222 ref NP_785114.1	DNA-directed DNA polymerase I ...	25	219
gi 24373344 ref NP_717387.1	decaheme cytochrome c [Shewanee...	25	219
gi 37046841 qb AAH58056.1	Hypothetical protein MGC63552 [D...	25	219
gi 47565287 ref ZP_00236329.1	trans-acting positive regula...	25	219
gi 22534247 qb AAN00098.1	pullulanase, putative [Streptoco...	25	219
gi 46187708 ref ZP_00127113.2	COG2215: ABC-type uncharacte...	25	219
gi 12721246 qb AAK03010.1	FimA [Pasteurella multocida subs...	25	219
gi 33865506 ref NP_897065.1	conserved hypothetical protein...	25	219
gi 600018 emb CAA86921.1	Ssm4p [Saccharomyces cerevisiae]	25	219
gi 50403810 sp Q9XUC4 YGJK_CAEEI	Hypothetical protein T28F3...	25	219
gi 9966436 qb AAG10259.1	DS06238.4-like protein [Drosophil...	25	219
gi 28375577 emb CAD66548.1	outer membrane deca-heme cytoch...	25	219
gi 345466 pir JC1440	hypothetical 55K protein - yellow fev...	25	219

## Alignments

Get selected sequences

Select all

Deselect all

☒ >gi|49259486|pdb|1V5S|A ☒ Chain A, Solution Structure Of Kinase Associated Domai  
 Mouse MapMICROTUBULE AFFINITY-Regulating Kinase 3  
 Length = 126

Score = 66.0 bits (148), Expect = 9e-11

Identities = 18/20 (90%), Positives = 20/20 (100%)

Query: 1 MKDHLIHDVHKEEHAHAHDK 20


MKDHLIH+VHKEEHAHAH+K

Sbjct: 1 MKDHLIHNVHKEEHAHAHNK 20

☒ >gi|63566|emb|CAA37824.1| ☒ unnamed protein product [Gallus gallus]  
 gi|126046|sp|P00340|LDHA\_CHICK L-lactate dehydrogenase A chain (LDH-A)  
 gi|45384208|ref|NP\_990615.1| ☒ lactate dehydrogenase A [Gallus gallus]  
 gi|104751|pir|S12151 L-lactate dehydrogenase (EC 1.1.1.27) chain A - chicken  
 Length = 332


Score = 61.7 bits (138), Expect = 2e-09  
Identities = 17/20 (85%), Positives = 20/20 (100%)

Query: 1 MKDHLIHDVHKEEHAHAHDK 20  
+KDHLIH+VHKEEHAHAH+K  
Sbjct: 3 LKDHLIHNVHKEEHAHAHNK 22

 >[gi|65925|pir|DECHLM](#) L-lactate dehydrogenase (EC 1.1.1.27) chain M - chicken  
Length = 331


Score = 61.7 bits (138), Expect = 2e-09  
Identities = 17/20 (85%), Positives = 20/20 (100%)

Query: 1 MKDHLIHDVHKEEHAHAHDK 20  
+KDHLIH+VHKEEHAHAH+K  
Sbjct: 2 LKDHLIHNVHKEEHAHAHNK 21

 >[gi|17369418|sp|Q9PW07|LDHA COLLI](#) L-lactate dehydrogenase A chain (LDH-A)  
[gi|5685867|gb|AAD46976.1|](#) lactate dehydrogenase [Columba livia]  
Length = 332


Score = 55.8 bits (124), Expect = 1e-07  
Identities = 15/20 (75%), Positives = 19/20 (95%)

Query: 1 MKDHLIHDVHKEEHAHAHDK 20  
+KD LIH+VHKEEH+HAH+K  
Sbjct: 3 LKDQLIHNVHKEESHANHK 22

 >[gi|13650163|gb|AAK37570.1|](#) L-lactate dehydrogenase A [Caiman crocodilus apapori]  
[gi|17368601|sp|Q98SL2|LDHA CAICA](#) L-lactate dehydrogenase A chain (LDH-A)  
Length = 332

Score = 55.4 bits (123), Expect = 1e-07  
Identities = 15/19 (78%), Positives = 18/19 (94%)

Query: 2 KDHLIHDVHKEEHAHAHDK 20  
K+HLIH+VHKEEH HAH+K  
Sbjct: 4 KEHLIHNVHKEEHGHAHNK 22

 >[gi|17369416|sp|Q9FW06|LDHA ALLMI](#) L-lactate dehydrogenase A chain (LDH-A)  
[gi|5685869|gb|AAD46977.1|](#) L-lactate dehydrogenase A [Alligator mississippiensis]  
Length = 332

Score = 55.4 bits (123), Expect = 1e-07  
Identities = 15/19 (78%), Positives = 18/19 (94%)

Query: 2 KDHLIHDVHKEEHAHAHDK 20  
K+HLIH+VHKEEH HAH+K  
Sbjct: 4 KEHLIHNVHKEEHGHAHNK 22



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Date: 8/19/2004  
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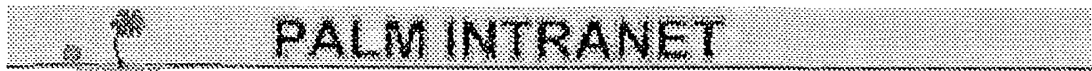
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